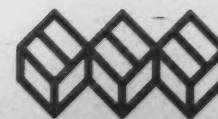


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1988 ANNUAL REPORT

FIBRE BOX INDUSTRY



FIBRE BOX ASSOCIATION



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The 1988 Annual Report of the Fibre Box Industry is the 48th in the series published by the Fibre Box Association (FBA). The Association represents United States Producers of corrugated and solid fibre paper products.

The Annual Report is derived from data submitted by member companies, combined with data from a voluntary census of non-member companies and expanded to provide the most accurate data on the aggregate domestic industry. All shipment data represents finished products; sales of corrugated sheets to sheet plants, who produce finished products, are deducted.

Additional information for this report has been provided by the American Paper Institute and the Bureau of Labor Statistics of the U.S. Department of Labor.



Highlights

The corrugated paperboard products industry's performance in 1988 continued to establish new records:

- Value of shipments increased by almost 11% to \$15.6 billion.
- Shipments were 308.5 billion square feet to better 1987, the previous highest shipment year, by 3.6%
- The shipment gains prevailed throughout the country with the North Central area posting the largest increase, 6.1%
- Continuing the trend started in September 1986, each month of 1988 provided a new high in shipments. October shipments of 27.9 billion square feet, is the best single month in the history of the industry. The third calendar quarter, with 77.8 billion square feet, is a new quarterly record.
- Sheet plants accounted for 13.7% of the total industry shipments which is the largest share ever achieved for that segment of corrugated manufacturing.
- The aggregate measure of industry productivity, thousand square feet of production per hour worked, increased to 2.19 as compared to the previous best of 2.17 in 1985. At the same time, the average regular hourly earnings of production related employees increased to \$10.67, a new high.
- Average corrugator plant production of 515 million square feet, is a new high output level, 3.4% greater than 1987.

Production mix of corrugated board types is essentially the same as recent years with single wall combined board representing 91% of all manufacturing. The average basis weight is 139.4 pounds per thousand square feet and continues the trend since 1981 of gradual increase. Linerboard continues to represent 68% of all containerboard consumed at corrugator plants.

Based on the Fibre Box Association corrugated end use study, there is a significant shift over the past three years to the paper related products industry. This segment now accounts for 18.3% of total corrugated shipments compared to 13.9% in 1985.

Beginning in 1988, the Bureau of Labor Statistics changed the base year for the Producer Price Index from 1967 to 1982. The Corrugated Price Index, which is derived by the ratio of total shipment value to total shipments, has also been adjusted to a 1982 base for comparison with the PPI.

The total number of industry plants decreased by 14 to 1,562. During the year, there were 640 corrugator facilities and 922 sheet plants in operation.

Industry production-related employees increased by 1,900 to 71,400, the highest level since 1974. The average hours per week per employee virtually remained unchanged at 39.2. The average payroll cost per thousand square feet produced decreased \$.05 to \$5.08 from 1987.



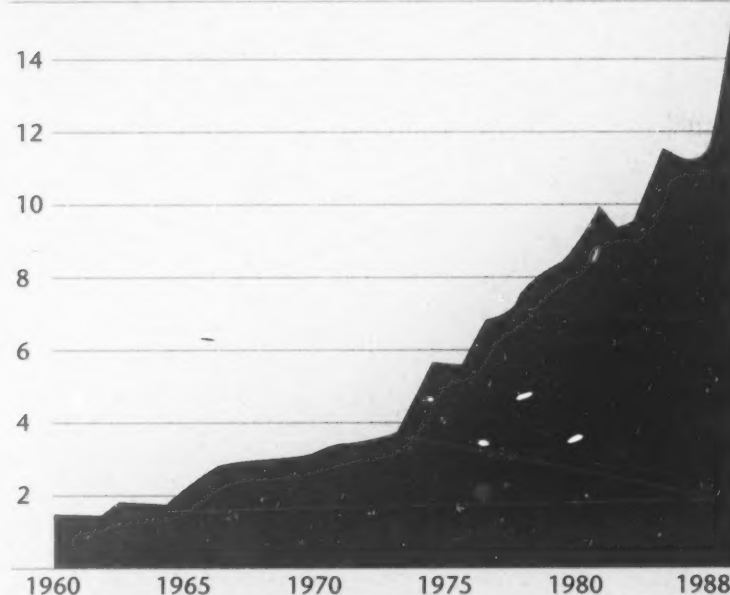
Industry Value of Shipments

YEAR	TOTAL	CORRUGATED	SOLID FIBRE	YEAR TO YEAR GROWTH
1940	\$ 231,082,800	\$ 211,339,000	\$19,743,800	---
1950	1,054,502,400	995,454,100	59,048,300	---
1960	1,791,171,100	1,746,525,600	44,645,500	---
1965	2,406,758,600	2,367,541,900	39,216,700	+ 8.7
1966	2,730,785,600	2,673,737,100	57,048,500	+ 13.5
1967	2,814,803,600	2,761,635,200	53,168,400	+ 3.1
1968	3,043,600,900	2,990,444,200	53,156,700	+ 8.1
1969	3,320,521,800	3,268,934,500	51,587,300	+ 9.1
1970	3,341,044,100	3,298,364,600	42,679,500	+ 0.6
1971	3,463,680,200	3,422,262,100	41,418,100	+ 3.7
1972	3,959,924,500	3,919,862,900	40,061,600	+ 14.3
1973	4,862,056,300	4,815,486,600	46,569,700	+ 22.8
1974	5,792,984,900	5,742,301,300	50,683,600	+ 19.1
1975	5,623,765,200	5,578,612,500	45,152,700	- 2.9
1976	6,443,938,300	6,395,870,800	48,067,500	+ 14.6
1977	6,741,744,100	6,691,170,000	50,574,100	+ 4.6
1978	7,260,097,300	7,204,311,000	55,786,300	+ 7.7
1979	8,407,894,000	8,344,624,600	63,269,400	+ 15.8
1980	9,075,381,800	9,010,411,600	64,970,200	+ 7.9
1981	10,019,521,200	9,956,771,000	62,750,200	+ 10.4
1982	9,343,619,900	9,278,989,700	64,630,200	- 6.7
1983	9,845,258,200	9,778,198,700	67,059,500	+ 5.4
1984	11,567,050,900	11,491,431,700	75,619,200	+ 17.5
1985	11,486,830,500	11,413,175,600	73,654,900	- 0.7
1986	11,753,044,200	11,673,330,200	79,714,000	+ 2.3
1987	14,097,324,600	14,014,909,400	82,415,200	+ 19.9
1988	15,627,005,100	15,538,736,900	88,268,200	+ 10.9

Dollars

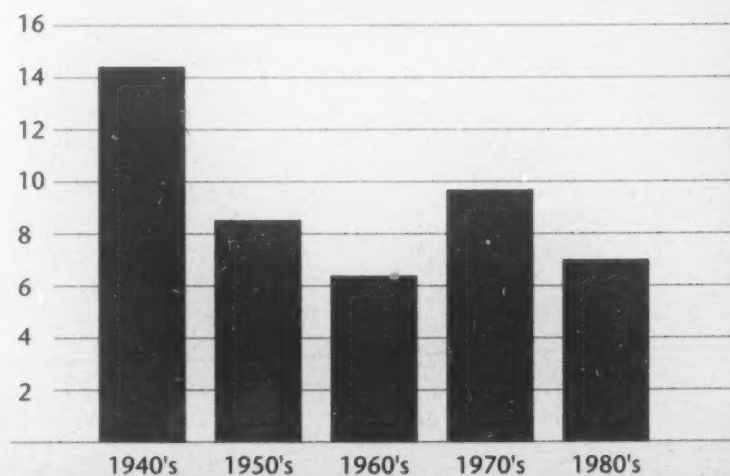
Total Value

Billions of Dollars



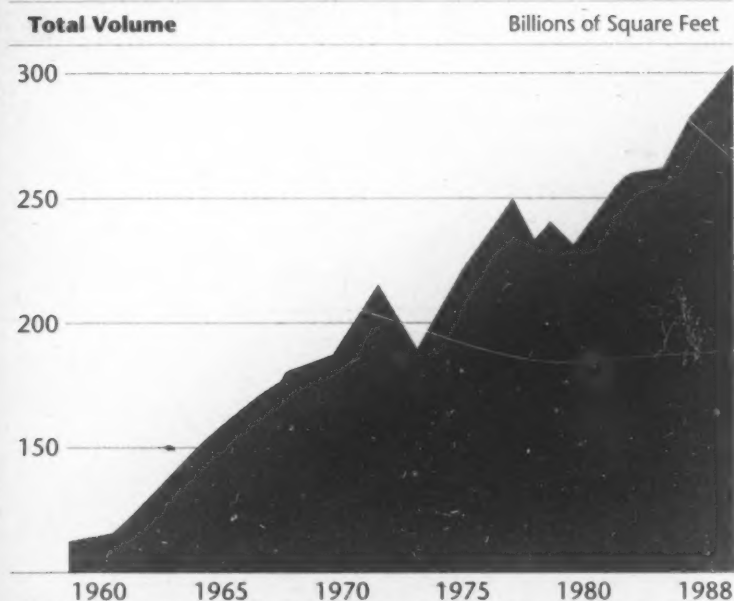
Average Annual Growth Rates by Decade

Percent



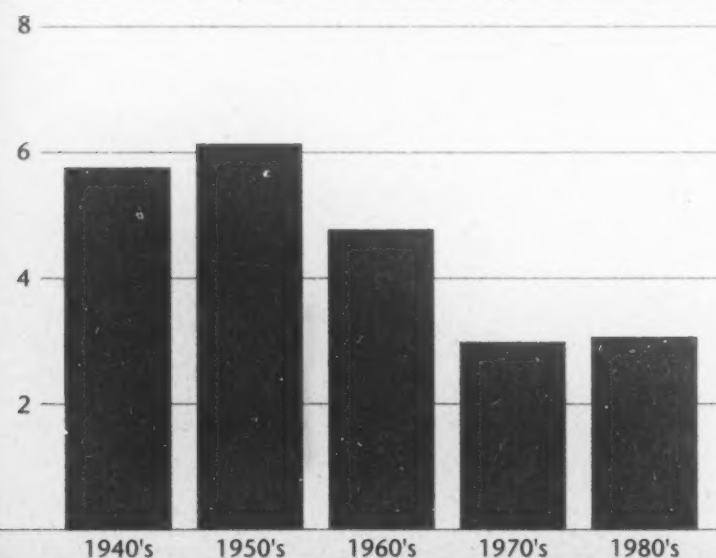


Billions of Square Feet



Average Annual Growth Rates by Decade

Percent



Industry Shipments

YEAR	TOTAL	CORRUGATED	SOLID FIBRE	YEAR TO YEAR GROWTH
1940	36.111	33.847	2.264	---
1950	78.393	76.022	2.371	---
1960	108.931	107.676	1.255	---
1965	148.471	147.393	1.078	+ 8.2
1966	160.452	158.997	1.455	+ 8.1
1967	162.596	161.212	1.384	+ 1.3
1968	173.814	172.361	1.453	+ 6.9
1969	185.652	184.280	1.372	+ 6.8
1970	184.865	183.761	1.104	- 0.4
1971	191.832	190.756	1.076	+ 3.8
1972	211.926	210.880	1.046	+ 10.5
1973	228.052	226.984	1.068	+ 7.6
1974	216.072	215.119	.953	- 5.3
1975	194.329	193.573	.756	- 10.1
1976	216.371	215.565	.806	+ 11.3
1977	227.198	226.360	.838	+ 5.0
1978	243.898	242.999	.899	+ 7.4
1979	250.643	249.701	.942	+ 2.8
1980	241.377	240.490	.887	- 3.7
1981	246.152	245.331	.821	+ 2.0
1982	235.185	234.306	.879	- 4.5
1983	252.539	251.618	.921	+ 7.4
1984	267.547	266.565	.982	+ 5.9
1985	267.453	266.490	.963	- 0.04
1986	283.921	282.852	1.069	+ 6.2
1987	297.828	296.818	1.010	+ 4.9
1988	308.509	307.464	1.045	+ 3.6

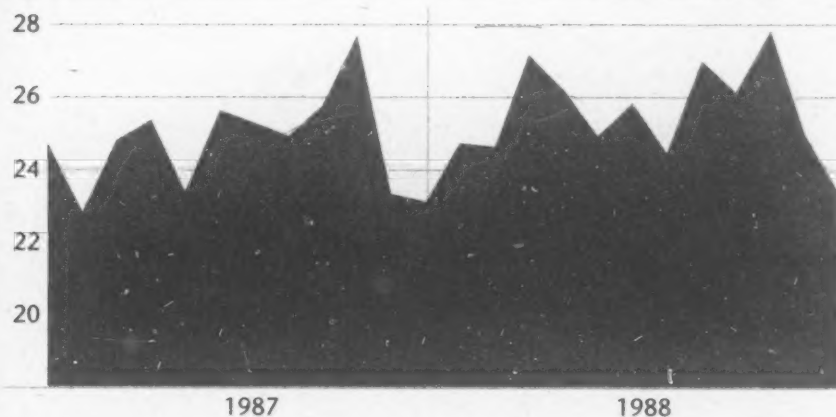


Industry Shipments by Month & Quarter

Billions of Square Feet

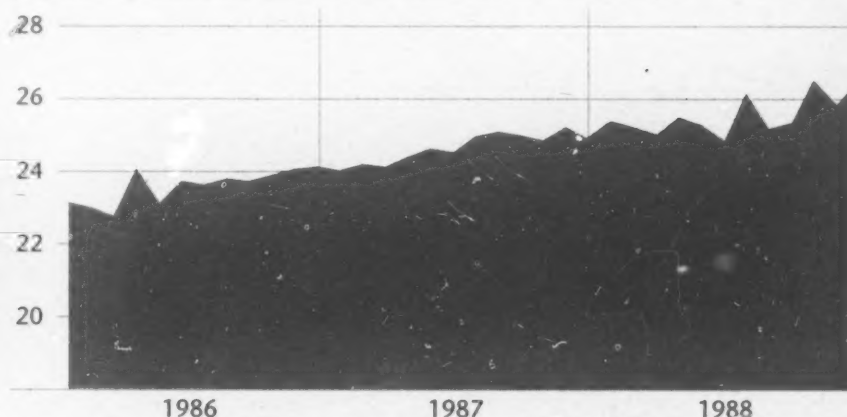
Shipments by Month

Billions of Square Feet



Seasonally Adjusted Shipments by Month

Billions of Square Feet

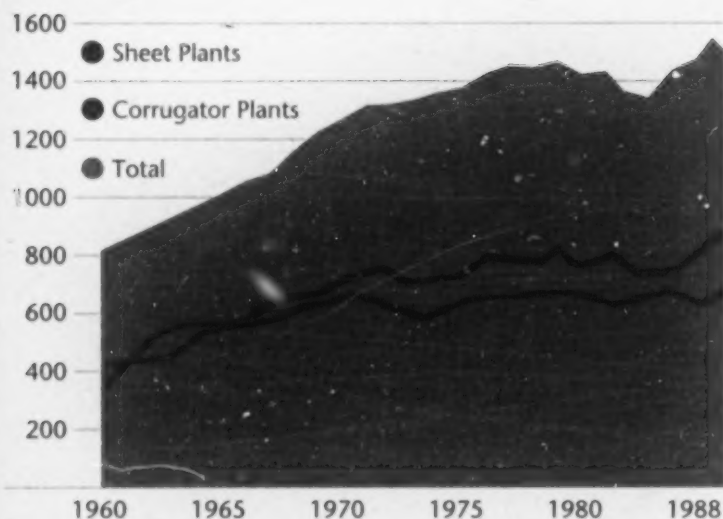


	Jan	Feb	Mar	1st Qtr	Apr	May	Jun	2nd Qtr	Jul	Aug	Sep	3rd Qtr	Oct	Nov	Dec	4th Qtr	Year
1986																	
Average Week	5.582	5.435	5.620	5.545	5.748	5.557	5.594	5.635	5.443	5.672	5.831	5.645	5.925	5.974	5.503	5.801	5.656
Actual	24.560	21.722	22.479	68.761	25.290	23.340	23.495	72.125	23.949	23.821	24.491	72.261	27.256	21.506	22.012	70.774	283.921
Seasonally Adjusted	23.233	23.208	22.732	69.100	24.205	23.347	23.753	71.270	23.645	23.817	23.784	71.404	23.912	24.161	24.173	72.093	---
1987																	
Average Week	5.882	5.708	5.648	5.745	6.103	5.918	5.793	5.936	5.777	5.966	6.166	5.967	6.308	6.147	5.790	6.088	5.933
Actual	24.705	22.832	24.851	72.388	25.631	23.670	25.490	74.790	25.419	25.058	25.898	76.375	27.755	23.357	23.161	74.274	297.827
Seasonally Adjusted	24.046	24.375	24.264	72.803	24.436	24.866	24.638	73.903	25.140	25.212	25.131	75.469	25.054	25.468	25.164	75.620	---
1988																	
Average Week	6.240	5.914	5.941	6.026	6.533	5.961	5.891	6.118	6.140	5.889	6.227	6.079	6.641	6.262	6.198	6.374	6.146
Actual	24.961	24.839	27.327	77.127	26.132	25.036	25.920	77.089	24.560	27.091	26.153	77.804	27.890	25.047	23.551	76.488	308.509
Seasonally Adjusted	25.481	25.465	25.437	77.593	25.769	25.503	24.978	76.175	26.217	25.246	25.291	76.881	26.610	25.945	26.438	77.890	---
Seasonal Adjustment	0.9796	0.9754	1.0743	99.4	1.0141	0.9817	1.0377	101.2	0.9368	1.0731	1.0341	101.2	1.0481	0.9654	0.8908	98.2	---



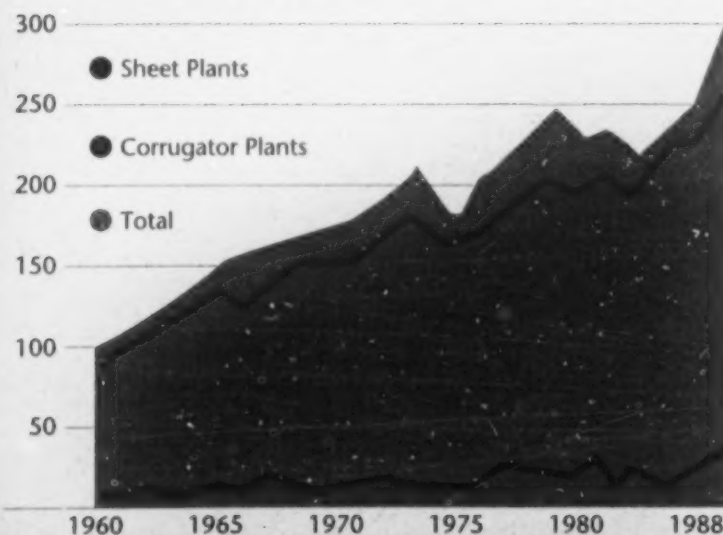
Industry Shipments by Type of Plant

Number of Plants



Shipments by Type of Plant

Billions of Square Feet



YEAR	— TOTAL —		— CORRUGATORS —			— SHEET PLANTS —		
	Billions of Square Feet	Number of Plants	Billions of Square Feet	Percent of Total	Number of Plants	Billions of Square Feet	Percent of Total	Number of Plants
1940	36.111	355	33.157	91.8	242	2.954	8.2	113
1950	78.393	481	73.986	94.4	304	4.407	5.6	177
1960	108.931	812	98.991	90.9	428	9.940	9.1	384
1965	148.471	1,011	130.983	88.2	498	17.488	11.8	513
1966	160.452	1,065	140.946	87.8	519	19.506	12.2	546
1967	162.596	1,098	143.200	88.1	548	19.396	11.9	550
1968	173.814	1,184	152.497	87.7	578	21.317	12.3	606
1969	185.652	1,236	163.232	87.9	604	22.420	12.1	632
1970	184.865	1,294	163.230	88.3	623	21.635	11.7	671
1971	191.832	1,323	168.870	88.0	615	22.962	12.0	708
1972	211.926	1,324	184.452	87.0	614	27.474	13.0	710
1973	228.052	1,330	198.646	87.1	607	29.406	12.9	723
1974	216.072	1,358	189.015	87.5	619	27.057	12.5	739
1975	194.329	1,385	170.635	87.8	634	23.694	12.2	751
1976	216.371	1,427	188.694	87.2	645	27.677	12.8	782
1977	227.198	1,450	197.311	86.8	654	29.887	13.2	796
1978	243.898	1,449	211.661	86.8	654	32.237	13.2	795
1979	250.643	1,460	217.105	86.6	649	33.538	13.4	811
1980	241.377	1,422	210.868	87.4	633	30.509	12.6	789
1981	246.152	1,427	214.971	87.3	631	31.181	12.7	796
1982	235.185	1,376	206.799	87.9	623	28.386	12.1	753
1983	252.539	1,370	221.652	87.8	614	30.887	12.2	756
1984	267.547	1,429	233.635	87.3	615	33.912	12.7	814
1985	267.453	1,460	233.518	87.3	630	33.935	12.7	830
1986	283.921	1,495	247.007	87.0	643	36.914	13.0	852
1987	297.828	1,576	257.838	86.6	639	39.990	13.4	937
1988	308.509	1,562	266.119	86.3	640	42.390	13.7	922



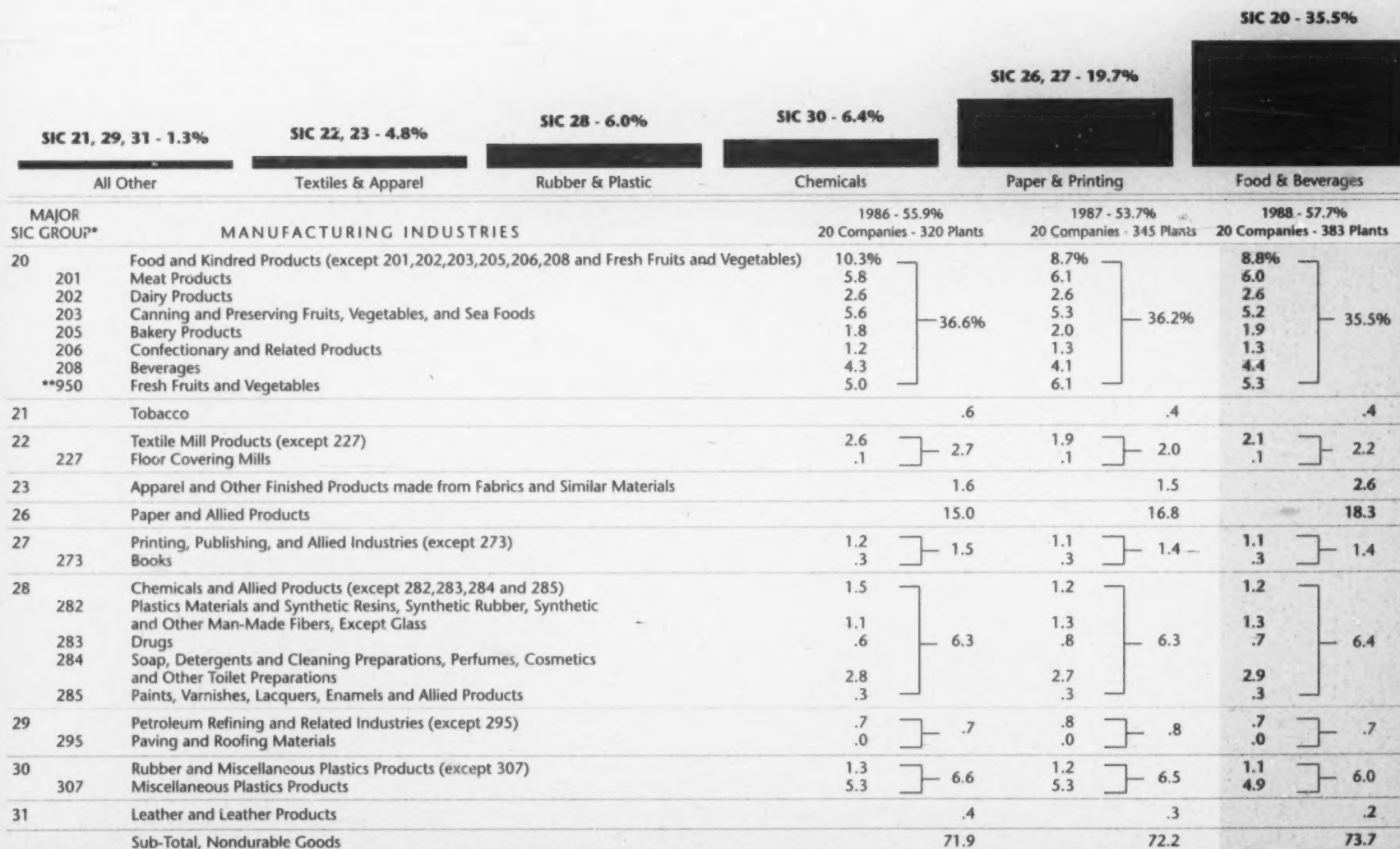
Shipments by End Use Industry

Nondurable Goods

Shipments to Nondurable Goods Industries

73.7% Share of Total Shipments

Percentage of Shipments by Standard Industrial Classification (SIC) of Corrugated Customers



*Standard Industrial Classification. **This number was arbitrarily assigned; not in accordance with Standard Classification Manual. The sample as reported here, based on the number of companies indicated in the column headings, will not conform exactly to a complete analysis of sales. The percentage shown should be considered as indicators and not exact proportions. Differences in percentages from year to year can be caused by changes in the list of participating companies. Shipments to sheet plants and jobbers are not included. Companies included in the tabulation operate plants in all areas of the country.



Durable Goods

Shipments by End Use Industry

Shipments to Durable Goods Industries

25.8% Share of Total Shipments

Percentage of Shipments by Standard Industrial Classification (SIC) of Corrugated Customers

		SIC 37, 38 - 2.0%		SIC 33, 34 - 2.8%		SIC 24, 25 - 3.6%		SIC 39 - 5.5%		SIC 35, 36 - 5.5%		SIC 32 - 6.4%	
		All Other		Metals		Lumber & Furniture		Miscellaneous Manufacturing		Machinery		Stone, Clay & Glass	
MAJOR SIC GROUP*	MANUFACTURING INDUSTRIES	1986 - 55.9% 20 Companies - 320 Plants		1987 - 53.7% 20 Companies - 345 Plants		1988 - 57.7% 20 Companies - 383 Plants							
24	Lumber and Wood Products, Except Furniture	1.0%		1.2%		1.2%							
25	Furniture and Fixtures (except 251)	1.5%	2.9	1.3%	2.6	1.1%	2.4						
251	Household Furniture	1.4		1.3		1.3							
32	Stone, Clay, and Glass Products (except 322, 326, and 329)	1.0		.7		.7							
322	Glass and Glassware, Pressed or Blown	6.6	8.1	5.8	7.1	5.1	6.4						
326	Pottery and Related Products	.2		.2		.3							
329	Abrasive, Asbestos and Misc. Nonmetallic Mineral Products	.3		.4		.3							
33	Primary Metal	.5		.5		.5							
34	Fabricated Metal Products, Except Ordnance, Machinery and Transportation Equipment (except 341)	2.6	2.9	2.3	2.6	2.0	2.3						
341	Metal Cans	.3		.3		.3							
35	Machinery, Except Electrical (except 358)	1.3	1.5	1.5	1.8	1.3	1.7						
358	Service Industry Machines	.2		.3		.4							
36	Electrical Machinery, Equipment and Supplies (except 363, 364, 365, and 366-367)	1.1		.8		.8							
363	Household Appliances	1.6	4.0	1.7	3.7	1.6	3.8						
364	Electric Lighting and Wiring Equipment	.7		.7		.7							
365	Radio and TV Receiving Sets, Except Communication Types	.3		.3		.3							
366-367	Communication Equipment and Electronic Components and Accessories	.3		.2		.4							
37	Transportation Equipment (except 371)	.2	1.3	.2	1.4	.3	1.3						
371	Motor Vehicles and Motor Vehicle Equipment	1.1		1.2		1.0							
38	Professional, Scientific, and Controlling Instruments; Photographic and Optical Goods; Watches and Clocks	.7		.6		.7							
39	Miscellaneous Manufacturing (except 394)	3.9	4.8	4.5	5.3	4.6	5.5						
394	Toys, Amusement, Sporting and Athletic Goods	.9		.8		.9							
Sub-Total, Durable Goods		27.7		26.8		25.8							
Sub-Total, Durable Goods		27.7		26.8		25.8							
Sub-Total, Nondurable Goods		71.9		72.2		73.7							
42	Motor Freight Transportation and Warehousing	.4		.9		.4							
90	Government	.0		.1		.1							
TOTAL		100.0%		100.0%		100.0%							

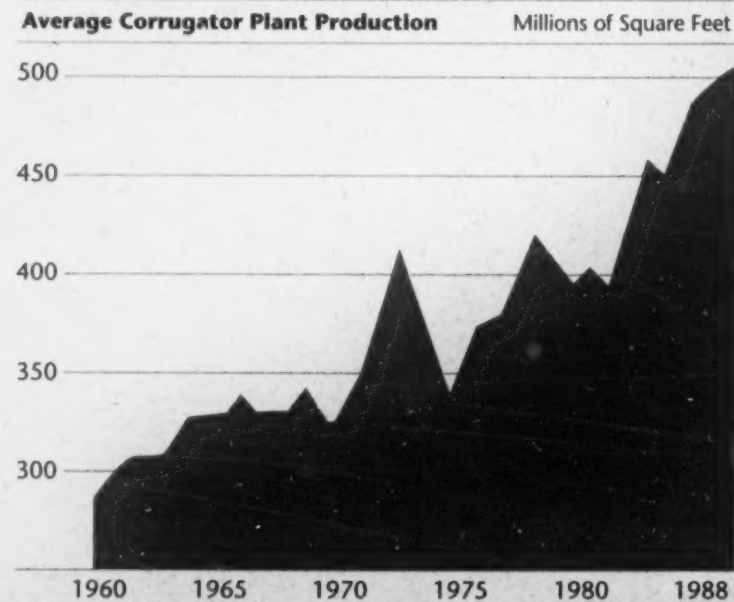
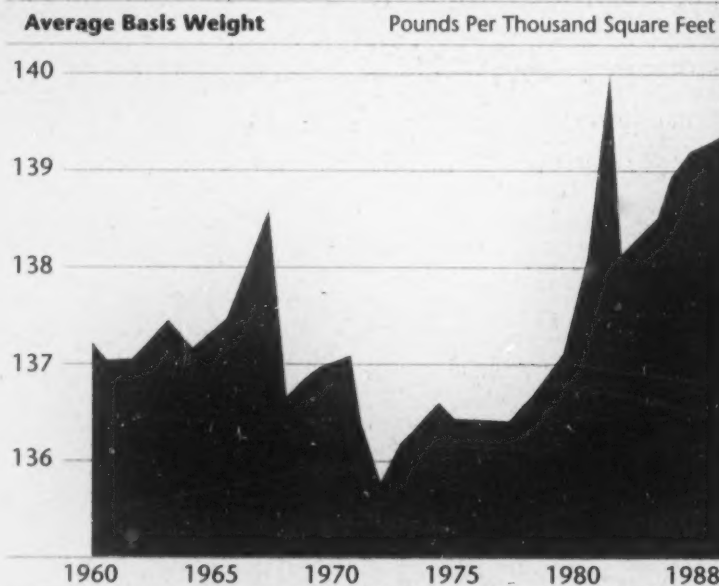
*Standard Industrial Classification



Industry Corrugated Production by Type of Board

YEAR	Single Face	% Of Total	Single Wall	% Of Total	Double Wall	% Of Total	Triple Wall	% Of Total	Total
1940	1.139	3.2%	33.660	94.5%	.819	2.3%	---	---	35.618
1950	1.880	2.4	71.740	92.6	3.860	5.0	---	---	77.480
1960	1.648	1.5	104.206	93.1	6.063	5.4	---	---	111.917
1965	1.400	0.9	141.941	92.4	10.231	6.7	---	---	153.572
1966	1.594	1.0	151.593	91.7	12.025	7.3	---	---	165.212
1967	1.569	0.9	154.918	92.1	11.807	7.0	---	---	168.294
1968	1.549	0.9	165.937	91.8	13.278	7.3	---	---	180.764
1969	1.592	0.8	177.426	91.7	14.571	7.5	---	---	193.589
1970	1.548	0.8	177.087	91.9	14.105	7.3	---	---	192.740
1971	1.461	0.7	183.775	91.7	15.119	7.6	---	---	200.355
1972	1.567	0.7	200.902	91.3	17.641	8.0	---	---	220.110
1973	1.490	0.6	216.841	90.9	20.196	8.5	---	---	238.527
1974	1.492	0.7	203.449	90.8	19.154	8.5	---	---	224.095
1975	1.166	0.6	186.172	91.6	15.892	7.8	---	---	203.230
1976	1.305	0.6	207.880	91.2	18.633	8.2	---	---	227.818
1977	1.216	0.5	217.184	91.0	20.401	8.5	---	---	238.801
1978	1.265	0.5	232.827	90.8	22.309	8.7	---	---	256.401
1979	1.166	0.4	236.670	90.7	23.236	8.9	---	---	261.072
1980	1.144	0.5	229.054	90.9	21.741	8.6	---	---	251.939
1981	1.126	0.5	229.808	90.8	22.098	8.7	---	---	253.032
1982	1.188	0.5	224.180	91.0	20.921	8.5	---	---	246.289
1983	1.232	0.5	240.302	90.9	22.669	8.6	---	---	264.203
1984	1.111	0.4	256.158	90.8	24.053	8.5	696	0.3%	282.018
1985	1.421	0.5	258.910	90.9	23.729	8.3	750	0.3	284.810
1986	1.445	0.5	274.559	90.9	25.134	8.3	857	0.3	301.995
1987	1.489	0.5	289.388	90.8	26.768	8.4	850	0.3	318.495
1988	1.353	0.4	299.286	90.9	27.770	8.4	1.030	0.3	329.439

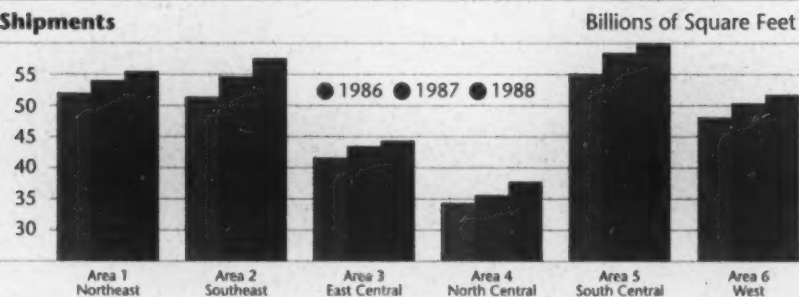
Billions of Square Feet





Billions of Square Feet

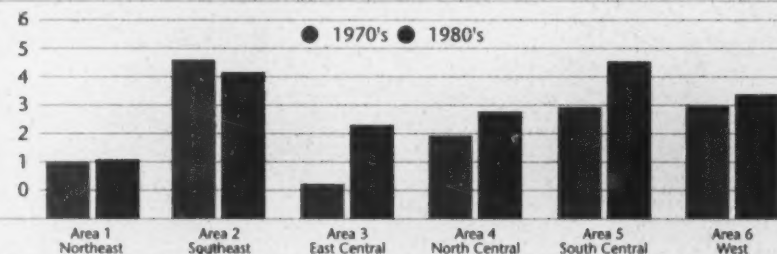
Shipments



Industry Shipments by Area

Compounded Annual Growth Rate

Percent



	AREA 1 Northeast		AREA 2 Southeast		AREA 3 East Central		AREA 4 North Central		AREA 5 South Central		AREA 6 West	
YEAR	Total	% of Industry	Total	% of Industry	Total	% of Industry	Total	% of Industry	Total	% of Industry	Total	% of Industry
1940	11.602	32.1%	1.545	4.3%	11.044	30.6%	5.729	15.9%	3.882	10.7%	2.309	6.4%
1950	23.735	30.3	6.282	8.0	19.946	25.4	11.780	15.0	9.695	12.4	6.955	8.9
1960	29.704	27.3	11.044	10.1	23.317	21.4	15.749	14.5	14.946	13.7	14.172	13.0
1965	37.710	25.4	17.419	11.7	30.938	20.9	21.843	14.7	20.663	13.9	19.898	13.4
1966	39.777	24.8	19.314	12.0	32.882	20.5	22.862	14.3	23.031	14.3	22.586	14.1
1967	39.949	24.6	20.483	12.6	32.363	19.9	22.703	13.9	24.223	14.9	22.875	14.1
1968	42.162	24.3	22.278	12.8	34.430	19.8	24.016	13.8	26.347	15.2	24.581	14.1
1969	44.378	23.9	24.707	13.3	36.320	19.5	25.186	13.6	28.358	15.3	26.703	14.4
1970	44.038	23.8	25.040	13.6	35.194	19.0	24.820	13.4	28.998	15.7	26.774	14.5
1971	44.813	23.4	27.163	14.2	36.374	18.9	25.877	13.5	30.248	15.8	27.356	14.2
1972	48.382	22.8	30.957	14.6	40.248	19.0	28.513	13.5	33.788	15.9	30.038	14.2
1973	51.019	22.4	33.561	14.7	42.689	18.7	30.760	13.5	37.083	16.3	32.941	14.4
1974	48.537	22.5	31.599	14.6	39.146	18.1	28.944	13.4	35.099	16.2	32.747	15.2
1975	42.183	21.7	29.403	15.1	34.134	17.6	25.541	13.2	32.092	16.5	30.976	15.9
1976	46.697	21.6	32.809	15.2	38.326	17.7	28.471	13.2	36.220	16.7	33.848	15.6
1977	48.301	21.3	35.187	15.5	39.845	17.5	29.611	13.0	38.646	17.0	35.609	15.7
1978	52.275	21.4	38.796	15.9	41.433	17.0	31.368	12.9	41.753	17.1	38.273	15.7
1979	53.322	21.3	41.586	16.6	41.071	16.4	31.819	12.7	43.175	17.2	39.670	15.8
1980	50.551	20.9	41.284	17.1	36.912	15.3	30.147	12.5	42.867	17.8	39.616	16.4
1981	50.100	20.4	41.651	16.9	37.618	15.3	30.032	12.2	45.169	18.3	41.582	16.9
1982	48.006	20.4	39.744	16.9	34.263	14.6	28.795	12.2	44.408	18.9	39.969	17.0
1983	50.263	19.9	44.108	17.5	37.194	14.7	31.249	12.4	47.442	18.8	42.283	16.7
1984	51.094	19.1	47.475	17.7	40.285	15.1	32.794	12.3	51.378	19.2	44.521	16.6
1985	50.078	18.7	47.958	17.9	40.281	15.1	32.731	12.2	52.110	19.5	44.295	16.6
1986	52.303	18.4	51.605	18.2	41.927	14.8	34.510	12.1	55.308	19.5	48.268	17.0
1987	54.339	18.2	54.777	18.4	43.724	14.7	35.708	12.0	58.544	19.7	50.736	17.0
1988	55.571	18.0	57.527	18.6	44.487	14.4	37.882	12.3	61.052	19.8	51.990	16.9



Area Shipments

Millions of Square Feet

	AREA 1 - NORTHEAST			AREA 2 - SOUTHEAST			AREA 3 - EAST CENTRAL		
By Quarter	1986	1987	1988	1986	1987	1988	1986	1987	1988
1st Quarter	12,806.3	13,346.3	13,952.9	12,644.1	13,586.0	14,364.8	10,411.0	10,951.1	11,426.3
2nd Quarter	13,369.8	13,496.7	13,798.1	13,135.4	13,916.2	14,621.1	10,582.7	10,882.4	11,001.8
3rd Quarter	13,151.1	13,910.3	14,043.0	12,779.9	13,522.2	14,087.0	10,675.5	11,170.4	11,159.9
4th Quarter	12,975.5	13,586.1	13,776.9	13,045.5	13,752.6	14,453.8	10,258.3	10,719.6	10,899.1
By Month									
January	4,576.7	4,417.5	4,451.2	4,488.0	4,719.3	4,630.0	3,737.9	3,716.8	3,695.4
February	4,075.4	4,251.9	4,536.3	3,991.0	4,224.9	4,658.5	3,333.7	3,502.9	3,679.4
March	4,154.1	4,677.0	4,964.4	4,165.1	4,641.8	5,076.4	3,339.4	3,731.4	4,051.5
April	4,597.7	4,538.8	4,514.4	4,731.9	4,881.8	4,993.1	3,723.8	3,759.4	3,764.1
May	4,278.7	4,241.0	4,471.0	4,223.5	4,397.4	4,805.8	3,425.9	3,439.5	3,600.0
June	4,493.4	4,716.8	4,812.8	4,180.1	4,636.9	4,822.2	3,433.0	3,683.5	3,637.7
July	4,198.3	4,448.7	4,234.2	4,247.7	4,542.0	4,453.4	3,513.0	3,662.3	3,447.5
August	4,369.8	4,627.0	5,002.4	4,222.2	4,444.6	4,937.2	3,536.5	3,727.8	3,901.9
September	4,583.0	4,834.6	4,806.4	4,310.0	4,535.5	4,696.4	3,626.0	3,780.3	3,810.4
October	4,955.1	5,056.3	5,007.7	4,871.3	4,994.6	5,126.8	3,981.9	4,078.4	4,042.0
November	3,985.3	4,319.5	4,529.9	4,000.8	4,370.8	4,797.3	3,152.3	3,352.9	3,575.8
December	4,035.1	4,210.3	4,239.4	4,173.4	4,387.2	4,529.7	3,124.0	3,288.3	3,281.4
Total	52,302.7	54,339.4	55,571.0	51,605.0	54,777.0	57,526.7	41,927.5	43,723.5	44,487.1
By Average Week									
January	1,040.2	1,051.8	1,112.8	1,020.0	1,123.6	1,157.5	849.5	885.0	923.8
February	1,018.9	1,063.0	1,080.1	997.8	1,056.2	1,109.2	834.3	875.7	876.1
March	1,038.5	1,063.0	1,079.4	1,041.3	1,055.0	1,103.6	834.9	848.0	880.8
April	1,044.9	1,080.7	1,128.6	1,075.4	1,162.3	1,248.3	846.3	895.1	941.0
May	1,018.7	1,060.3	1,064.5	1,005.6	1,099.4	1,144.2	815.7	860.0	857.1
June	1,069.9	1,072.0	1,093.8	995.3	1,053.8	1,096.0	817.4	837.2	826.7
July	954.2	1,011.1	1,058.5	965.4	1,032.3	1,113.3	798.4	832.3	861.9
August	1,040.4	1,101.7	1,087.5	1,005.3	1,058.2	1,073.3	842.0	887.6	848.2
September	1,091.2	1,151.1	1,144.4	1,026.2	1,079.9	1,118.2	863.3	900.1	907.2
October	1,077.2	1,149.2	1,192.3	1,059.0	1,135.1	1,220.7	865.6	926.9	962.3
November	1,107.0	1,136.7	1,132.5	1,111.3	1,150.2	1,199.3	875.6	882.3	893.9
December	1,008.8	1,052.6	1,115.6	1,043.4	1,096.8	1,192.0	781.0	822.1	863.5
Average	1,041.9	1,082.5	1,107.0	1,028.0	1,091.2	1,145.9	835.2	871.0	886.2



Millions of Square Feet

Area Shipments

By Quarter	AREA 4 - NORTH CENTRAL			AREA 5 - SOUTH CENTRAL			AREA 6 - WEST		
	1986	1987	1988	1986	1987	1988	1986	1987	1988
1st Quarter	8,304.8	8,564.4	9,560.3	13,526.8	14,229.1	15,420.9	11,068.0	11,711.3	12,402.0
2nd Quarter	8,454.1	8,801.3	9,343.3	14,014.6	14,504.0	15,103.6	12,568.3	13,189.8	13,220.8
3rd Quarter	8,897.5	9,354.5	9,608.1	14,024.2	14,974.4	15,411.0	12,733.2	13,443.2	13,495.3
4th Quarter	8,853.2	8,988.2	9,370.2	13,743.0	14,835.5	15,116.9	11,898.4	12,391.8	12,871.4
By Month									
January	2,959.0	2,942.2	3,085.5	4,846.4	4,913.1	5,034.6	3,952.2	3,996.4	4,064.5
February	2,625.0	2,723.7	3,082.1	4,261.2	4,463.8	4,965.9	3,435.5	3,664.8	3,916.3
March	2,720.8	2,898.5	3,392.7	4,419.2	4,852.2	5,420.3	3,680.3	4,050.1	4,421.3
April	2,966.5	3,008.0	3,120.2	4,950.7	4,929.4	5,091.9	4,319.3	4,513.5	4,648.5
May	2,713.3	2,757.4	3,022.5	4,592.7	4,654.8	4,919.1	4,106.2	4,179.7	4,218.0
June	2,774.3	3,035.9	3,200.6	4,471.2	4,919.8	5,092.6	4,142.9	4,496.6	4,354.3
July	2,888.4	3,095.3	2,971.7	4,646.5	4,998.1	4,970.7	4,455.4	4,672.3	4,482.9
August	2,956.6	3,030.8	3,332.8	4,637.0	4,900.2	5,352.5	4,098.8	4,327.7	4,564.0
September	3,052.4	3,228.4	3,303.7	4,740.7	5,076.1	5,087.8	4,179.0	4,443.3	4,448.3
October	3,520.5	3,330.4	3,444.7	5,262.4	5,507.8	5,461.8	4,664.5	4,788.0	4,807.1
November	2,624.2	2,860.3	3,102.3	4,134.1	4,675.5	4,921.1	3,609.0	3,777.8	4,120.6
December	2,708.4	2,797.5	2,823.2	4,346.5	4,652.2	4,733.9	3,624.9	3,826.0	3,943.7
Total	34,509.6	35,708.4	37,882.0	55,308.6	58,543.1	61,052.3	48,267.9	50,736.1	51,989.5
By Average Week									
January	672.5	700.5	771.4	1,101.5	1,169.8	1,258.7	898.2	951.5	1,016.1
February	656.3	680.9	733.8	1,065.3	1,116.0	1,182.4	858.9	916.2	932.4
March	680.2	658.8	737.5	1,104.8	1,102.8	1,178.3	920.1	920.5	961.1
April	674.2	716.2	780.1	1,125.2	1,173.7	1,273.0	981.7	1,074.6	1,162.1
May	646.0	689.4	719.6	1,093.5	1,163.7	1,171.2	977.7	1,044.9	1,004.3
June	660.5	690.0	727.4	1,064.6	1,118.1	1,157.4	986.4	1,022.0	989.6
July	656.5	703.5	742.9	1,056.0	1,135.9	1,242.7	1,012.6	1,061.9	1,120.7
August	704.0	721.6	724.5	1,104.0	1,166.7	1,163.6	975.9	1,030.4	992.2
September	726.8	768.7	786.6	1,128.7	1,208.6	1,211.4	995.0	1,057.9	1,059.1
October	765.3	756.9	820.2	1,144.0	1,251.8	1,300.4	1,014.0	1,088.2	1,144.6
November	728.9	752.7	775.6	1,148.4	1,230.4	1,230.3	1,002.5	994.2	1,030.1
December	677.1	699.4	742.9	1,086.6	1,163.1	1,245.8	906.2	956.5	1,037.8
Average	687.4	711.3	754.6	1,101.8	1,166.2	1,216.2	961.5	1,010.7	1,035.6



Containerboard Production & Consumption

Thousands of Tons

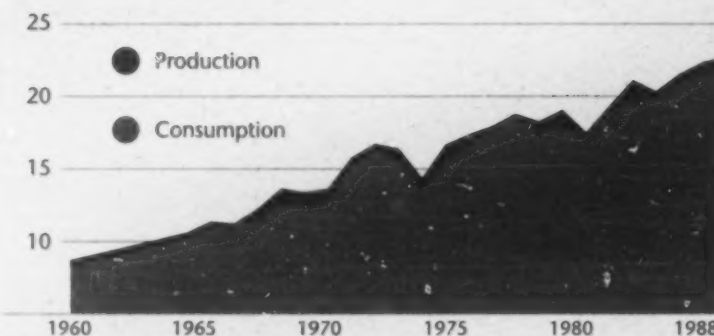
Production for Domestic Use

YEAR	TOTAL	LINERBOARD			CORRUGATING MEDIUM			Total Chip & Filler Boards
		Kraft	Recycled	Total	Semi-chemical & Kraft	Recycled	Total	
1940	3,147.6	1,169.5	796.4	1,965.9	611.4	292.0	903.4	278.3
1950	5,692.6	2,787.2	921.8	3,709.0	945.6	724.4	1,670.0	313.6
1960	8,186.6	4,731.2	743.6	5,474.8	1,788.9	672.1	2,461.0	250.8
1965	11,199.1	6,698.1	782.5	7,480.6	2,638.2	800.0	3,438.2	280.3
1966	12,459.6	7,550.2	797.1	8,347.3	2,909.8	890.0	3,799.8	312.5
1967	12,248.6	7,693.3	522.3	8,215.6	2,982.1	761.4	3,743.5	289.5
1968	13,388.4	8,612.2	431.5	9,043.7	3,371.2	690.7	4,061.9	282.8
1969	14,396.4	9,345.3	347.1	9,692.4	3,617.0	778.4	4,395.4	308.6
1970	13,964.3	9,133.4	269.7	9,403.1	3,404.7	859.3	4,264.0	297.2
1971	14,353.0	9,249.1	281.7	9,530.8	3,580.2	939.5	4,519.7	302.5
1972	16,019.0	10,577.6	278.9	10,856.5	3,874.2	972.3	4,846.5	315.9
1973	16,928.1	11,066.9	289.1	11,355.9	4,126.5	1,128.5	5,255.0	317.1
1974	16,767.0	10,838.4	467.1	11,305.4	4,010.3	1,169.0	5,179.2	282.3
1975	14,586.2	9,646.9	207.3	9,854.2	3,579.4	870.0	4,449.3	282.6
1976	16,700.2	11,093.2	282.7	11,375.9	3,986.5	1,075.1	5,061.5	262.9
1977	17,167.3	11,354.4	341.3	11,695.7	4,128.2	1,079.7	5,207.9	263.7
1978	17,908.2	11,877.2	256.4	12,133.7	4,305.3	1,197.7	5,503.1	271.5
1979	18,824.8	12,417.3	402.3	12,819.6	4,573.6	1,202.3	5,775.9	229.3
1980	18,070.2	11,948.6	444.5	12,393.1	4,398.5	1,047.1	5,445.6	231.5
1981	19,040.0	12,754.3	324.2	13,078.5	4,561.2	1,140.9	5,702.1	259.5
1982	17,507.5	11,656.5	279.0	11,935.5	4,202.5	1,139.3	5,341.8	230.2
1983	19,173.0	12,835.6	289.1	13,124.7	4,532.7	1,305.4	5,838.1	210.2
1984	20,855.1	14,068.8	203.7	14,272.5	5,018.9	1,385.4	6,404.3	178.4
1985	20,042.2	13,467.1	285.8	13,752.9	4,896.6	1,358.8	6,255.4	33.9
1986	21,426.4	14,288.6	420.2	14,708.9	5,160.8	1,525.8	6,686.6	30.9
1987	23,027.8	15,497.9	478.3	15,976.2	5,407.0	1,607.1	7,014.1	37.5
1988*	23,531.0	15,806.6	372.3	16,178.9	5,570.8	1,757.1	7,327.9	24.2

NOTE: The apparent disparity between containerboard production, consumption and inventories is attributable to two factors: (1) about 4% of production is diverted to other uses such as tube/stock, composite cans/drums; (2) production includes container chip which is not consumed on solid fibre pasters. * Preliminary Source: American Paper Institute, Inc.

Production vs Consumption

Millions of Tons



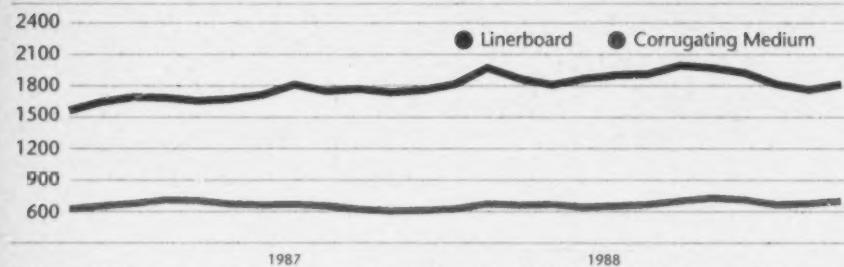
Consumption by Corrugator Plants

YEAR	TOTAL	LINERBOARD	CORRUGATING MEDIUM	FILLER BOARD
1940	3,113.7	1,985.3	865.2	263.2
1950	5,870.8	3,830.7	1,739.0	301.1
1960	7,901.3	5,361.6	2,422.2	117.5
1965	10,735.7	7,315.8	3,327.5	92.4
1966	11,707.9	7,996.5	3,592.1	119.3
1967	11,752.0	8,022.3	3,626.7	103.0
1968	12,616.8	8,625.9	3,885.9	105.0
1969	13,487.2	9,229.2	4,166.3	91.7
1970	13,267.5	9,079.0	4,107.1	81.4
1971	13,806.8	9,465.2	4,273.4	68.2
1972	15,189.4	10,428.8	4,697.7	62.9
1973	16,446.4	11,315.1	5,059.7	71.6
1974	15,428.8	10,621.2	4,746.2	61.4
1975	13,975.4	9,609.1	4,320.2	46.1
1976	15,677.1	10,782.0	4,844.4	50.7
1977	16,464.1	11,318.3	5,102.5	43.3
1978	17,708.7	12,168.4	5,494.7	45.6
1979	18,159.7	12,456.0	5,654.5	49.2
1980	17,489.5	12,018.5	5,427.4	43.6
1981	17,821.2	12,262.4	5,530.4	28.4
1982	17,117.9	11,751.3	5,337.4	29.2
1983	18,395.7	12,594.4	5,767.7	33.6
1984	19,672.7	13,460.9	6,176.6	35.2
1985	19,902.5	13,604.7	6,267.3	30.5
1986	21,134.3	14,414.0	6,689.3	31.0
1987	22,393.4	15,276.0	7,085.9	31.5
1988	23,103.3	15,751.0	7,317.3	35.0



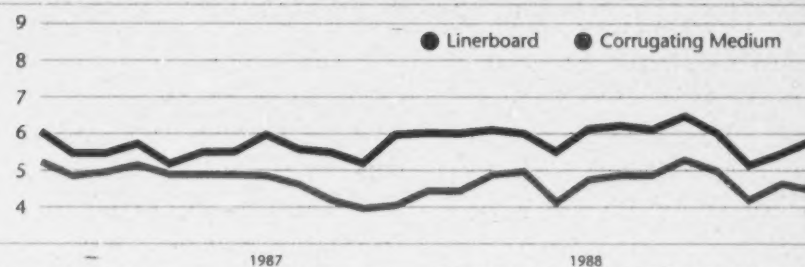
Thousands of Tons

Tonnage



Containerboard Inventory

Weeks of Supply



	1987	Jan 1	Feb 1	Mar 1	Apr 1	May 1	Jun 1	Jul 1	Aug 1	Sep 1	Oct 1	Nov 1	Dec 1	Jan 1
Linerboard:														1988
Corrugator Plants		1,478.5	1,544.2	1,564.9	1,572.9	1,543.2	1,574.3	1,591.5	1,700.8	1,657.6	1,679.4	1,635.8	1,655.0	1,715.3
Mills		<u>110.1</u>	<u>120.6</u>	<u>129.6</u>	<u>121.4</u>	<u>116.5</u>	<u>124.1</u>	<u>119.5</u>	<u>116.2</u>	<u>108.5</u>	<u>103.1</u>	<u>106.7</u>	<u>126.6</u>	<u>118.4</u>
Total		1,588.6	1,664.8	1,694.5	1,694.3	1,659.7	1,698.4	1,711.0	1,817.0	1,766.1	1,782.5	1,742.5	1,781.6	1,833.7
Weeks of Supply		6.1	5.6	5.6	5.8	5.3	5.6	5.7	6.0	5.7	5.6	5.3	6.0	6.1
Corrugating Medium:														
Corrugator Plants		613.5	638.8	657.9	673.3	677.1	642.6	633.5	647.6	632.1	606.8	576.3	575.8	616.7
Mills		<u>30.6</u>	<u>31.0</u>	<u>34.3</u>	<u>40.0</u>	<u>32.2</u>	<u>37.3</u>	<u>36.5</u>	<u>28.7</u>	<u>29.4</u>	<u>28.1</u>	<u>29.1</u>	<u>33.7</u>	<u>31.3</u>
Total		644.1	669.8	692.2	713.3	709.3	679.9	670.0	676.3	661.5	634.9	605.4	609.5	648.0
Weeks of Supply		5.3	4.9	5.0	5.3	4.9	4.9	4.9	4.8	4.6	4.3	4.0	4.1	4.6
Filler Board:		4.8	4.9	4.7	6.5	5.5	5.1	4.2	3.8	8.9	3.8	4.2	4.7	4.7
Total Containerboard:		2,237.5	2,339.5	2,391.4	2,414.1	2,374.5	2,383.4	2,385.2	2,497.1	2,436.5	2,421.2	2,352.1	2,395.8	2,486.4
Weeks of Supply:														
Corrugator Plants		5.4	5.1	5.1	5.3	4.9	5.0	5.1	5.3	5.0	4.9	4.6	5.0	5.3
Mills		.4	.3	.3	.4	.3	.4	.4	.3	.3	.3	.3	.4	.4
Total		5.8	5.4	5.4	5.7	5.2	5.4	5.5	5.6	5.3	5.2	4.9	5.4	5.7
1988														1989
Linerboard:	1988													
Corrugator Plants		1,715.3	1,829.2	1,770.1	1,711.5	1,757.1	1,771.0	1,790.8	1,868.9	1,837.9	1,790.5	1,693.7	1,636.5	1,680.7
Mills		<u>118.4</u>	<u>135.2</u>	<u>126.6</u>	<u>110.9</u>	<u>131.4</u>	<u>141.4</u>	<u>132.9</u>	<u>131.6</u>	<u>140.0</u>	<u>148.3</u>	<u>133.6</u>	<u>150.8</u>	<u>160.8</u>
Total		1,833.7	1,964.4	1,896.7	1,822.4	1,888.5	1,912.4	1,923.7	2,000.5	1,977.9	1,938.8	1,827.3	1,787.3	1,841.5
Weeks of Supply		6.1	6.1	6.3	6.1	5.6	6.3	6.4	6.3	6.6	6.1	5.3	5.6	5.8
Corrugating Medium:														
Corrugator Plants		616.7	660.0	653.5	658.1	632.0	645.6	664.0	685.6	719.9	701.0	655.2	662.4	667.1
Mills		<u>31.3</u>	<u>33.8</u>	<u>29.2</u>	<u>25.9</u>	<u>24.7</u>	<u>28.7</u>	<u>21.4</u>	<u>30.4</u>	<u>26.5</u>	<u>28.4</u>	<u>33.1</u>	<u>32.1</u>	<u>37.4</u>
Total		648.0	693.8	682.7	684.0	656.7	674.3	685.4	716.0	746.4	729.4	688.3	694.5	704.5
Weeks of Supply		4.6	4.6	4.9	5.0	4.2	4.8	4.9	4.9	5.4	5.0	4.3	4.7	4.6
Filler Board:		4.7	4.6	4.2	5.8	5.3	7.9	8.1	6.8	7.2	4.4	3.1	4.7	6.8
Total Containerboard:		2,486.4	2,662.8	2,583.6	2,512.2	2,550.5	2,594.6	2,617.2	2,723.3	2,731.5	2,672.6	2,518.7	2,486.5	2,552.9
Weeks of Supply														
Corrugator Plants		5.3	5.3	5.5	5.4	4.8	5.5	5.6	5.5	5.8	5.4	4.7	4.9	5.0
Mills		.4	.4	.3	.3	.3	.4	.4	.4	.4	.4	.3	.4	.4
Total		5.7	5.7	5.8	5.7	5.1	5.9	6.0	5.9	6.2	5.8	5.0	5.3	5.4

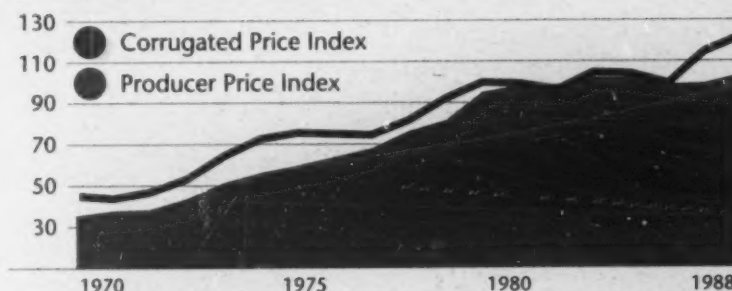


Corrugated Price & Producer Price Index

1982 = 100

YEAR	1ST QTR	2ND QTR	3RD QTR	4TH QTR	YEAR	B.L.S. P.P.I.
1940	17.4	17.3	17.3	17.2	17.3	13.5
1950	32.8	32.5	34.0	40.4	35.1	27.3
1960	43.7	43.5	42.6	43.0	43.1	31.7
1965	41.5	41.6	41.1	42.6	41.7	32.3
1966	42.8	43.5	43.3	44.5	43.5	33.3
1967	44.1	44.3	43.6	44.5	44.3	33.4
1968	45.1	44.7	44.0	45.1	44.7	34.2
1969	45.3	45.6	45.3	46.5	45.7	35.6
1970	46.6	46.4	46.0	46.5	46.4	36.9
1971	46.2	46.4	45.8	46.1	46.1	38.1
1972	46.1	47.2	47.4	49.0	47.5	39.8
1973	50.5	53.2	55.2	57.5	54.2	45.0
1974	59.9	65.4	71.3	75.5	67.8	53.5
1975	74.4	73.5	72.5	73.0	73.3	58.4
1976	74.8	75.6	74.8	75.1	75.1	61.1
1977	74.1	74.5	74.6	74.5	74.5	64.9
1978	72.9	73.4	73.9	77.3	74.4	69.9
1979	79.1	82.9	84.2	88.4	83.6	78.7
1980	92.8	94.9	94.3	94.9	94.2	84.8
1981	98.6	102.9	102.9	103.0	101.8	98.0
1982	101.6	101.6	98.8	98.0	100.0	100.0
1983	96.2	96.8	96.2	99.5	97.2	101.3
1984	101.8	107.4	107.4	112.5	107.3	103.7
1985	112.4	109.1	102.5	100.6	106.1	103.2
1986	99.6	100.3	101.6	104.5	101.6	100.2
1987	108.6	112.8	113.2	118.4	113.3	102.8
1988	119.0	123.9	124.6	125.5	123.3	106.9

Corrugated Price Index vs Producer Price Index



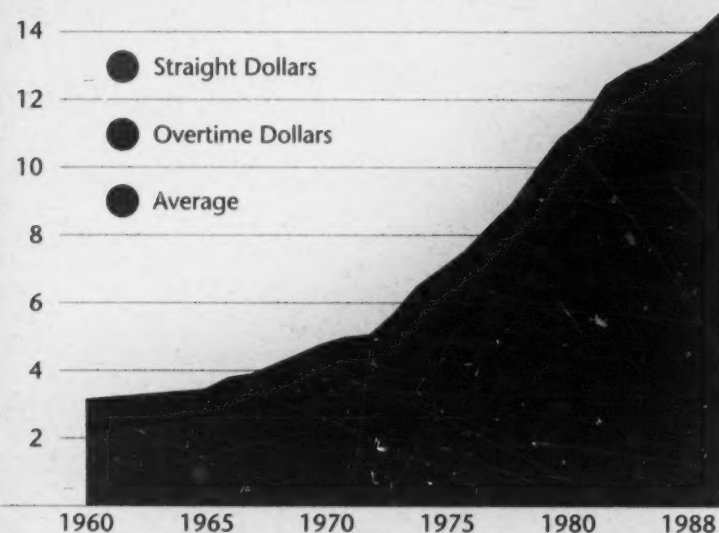
Corrugated Price Index by Area	1986	1987	1988
Area 1 - Northeast			
1st Quarter	101.7	111.5	121.5
2nd Quarter	101.7	115.2	125.1
3rd Quarter	103.7	116.2	126.3
4th Quarter	106.5	121.1	127.0
YEAR	103.4	116.0	125.0
Area 2 - Southeast			
1st Quarter	99.2	110.7	122.2
2nd Quarter	100.1	114.8	126.1
3rd Quarter	100.9	114.3	125.5
4th Quarter	105.4	121.7	128.6
YEAR	101.4	115.4	125.6
Area 3 - East Central			
1st Quarter	103.3	110.8	121.0
2nd Quarter	102.8	113.9	126.0
3rd Quarter	104.3	114.5	127.6
4th Quarter	106.4	119.7	128.3
YEAR	104.2	114.7	125.7
Area 4 - North Central			
1st Quarter	102.8	112.8	122.6
2nd Quarter	102.8	115.8	127.6
3rd Quarter	104.3	116.4	129.0
4th Quarter	108.3	121.9	129.1
YEAR	104.6	116.8	127.1
Area 5 - South Central			
1st Quarter	98.1	107.8	118.6
2nd Quarter	98.3	110.8	123.3
3rd Quarter	99.7	111.1	123.6
4th Quarter	103.4	117.3	125.0
YEAR	99.9	111.8	122.6
Area 6 - West			
1st Quarter	94.7	99.8	109.7
2nd Quarter	97.8	107.6	116.8
3rd Quarter	98.5	108.2	117.5
4th Quarter	98.9	110.2	117.0
YEAR	97.6	106.6	115.4



Hours, Earnings & Productivity

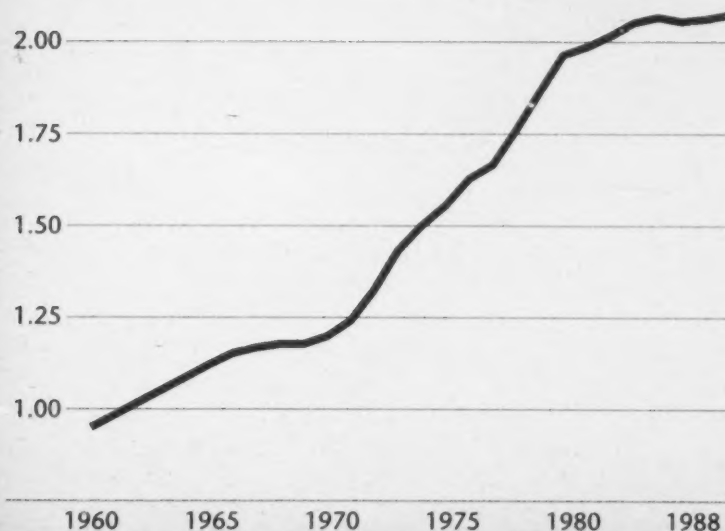
Hourly Earnings

Dollars



Productivity

M.S.F. per Hour



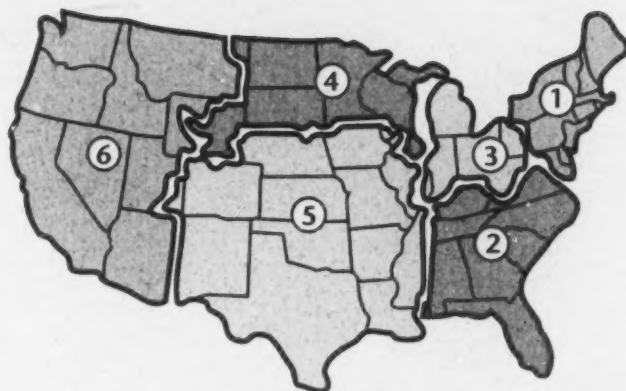
INDUSTRY AVERAGES

YEAR	Total No. of Employees	Hours per Week per Employee	Hourly Earnings			Earnings per Week per Employee	M Sq.Ft. Shipments per Wk. per Employee	M Sq. Ft. per Hour	Payroll per M Sq. Ft. All Plants
			Total	Regular	Overtime				
1943	32,400	43.9	\$.788	\$.715	\$ 1.130	\$ 34.54	28.3	.65	\$ 1.22
1950	39,500	43.6	1.410	1.316	2.005	61.43	36.7	.84	1.67
1960	54,600	40.9	2.324	2.224	3.238	95.21	38.7	.95	2.46
1965	66,100	43.3	2.750	2.613	3.661	119.00	43.7	1.01	2.72
1966	70,300	42.8	2.850	2.699	3.819	121.98	44.9	1.05	2.71
1967	69,900	41.4	2.995	2.861	3.995	124.13	43.8	1.06	2.84
1968	74,000	42.0	3.157	2.986	4.245	132.62	44.8	1.07	2.96
1969	76,900	42.2	3.330	3.159	4.467	140.48	45.3	1.07	3.10
1970	74,100	40.1	3.551	3.415	4.811	142.39	46.6	1.16	3.06
1971	73,400	40.9	3.833	3.684	5.083	156.75	50.5	1.24	3.10
1972	74,300	41.5	4.132	3.944	5.508	171.57	54.9	1.32	3.13
1973	77,400	40.8	4.404	4.214	5.855	179.59	57.3	1.40	3.13
1974	71,900	38.3	4.725	4.566	6.428	181.02	57.4	1.50	3.16
1975	60,500	37.9	5.261	5.075	7.156	199.49	59.8	1.58	3.33
1976	65,200	38.9	5.726	5.513	7.683	222.59	63.3	1.63	3.52
1977	65,100	39.5	6.265	6.030	8.384	247.59	66.5	1.68	3.72
1978	67,300	39.6	6.820	6.541	9.057	270.39	69.8	1.76	3.88
1979	67,500	39.2	7.421	7.143	9.947	291.26	74.0	1.89	3.94
1980	63,600	38.2	7.968	7.697	10.823	304.16	72.4	1.90	4.20
1981	63,100	37.3	8.747	8.488	11.518	327.62	73.6	1.97	4.45
1982	59,100	36.8	9.340	9.081	12.537	343.78	74.4	2.02	4.62
1983	59,600	37.8	9.803	9.472	12.777	370.69	79.9	2.11	4.84
1984	61,500	38.5	10.278	9.913	13.320	395.78	82.3	2.14	4.81
1985	63,900	37.8	10.654	10.291	13.740	402.31	81.9	2.17	4.91
1986	65,900	39.3	10.683	10.251	14.142	420.24	82.7	2.10	5.08
1987	69,500	39.3	10.981	10.546	14.269	431.12	84.0	2.14	5.13
1988	71,400	39.2	11.117	10.674	14.523	436.01	85.8	2.19	5.08

The reports received from the members are advanced to represent the entire industry. The employees represented are production workers, piece workers, watchmen, engineers, working foremen, maintenance workers, etc. The total does not include supervisors, executives, clerical and office employees. The footage includes the total shipments of all corrugator plants but not sheet plants; however, sheet plant labor costs are included. The above data covers only the direct payroll including pay for hours not worked. It does not include cost of pensions, medical insurance, etc.



Glossary



The Fibre Box Association divides The United States into six Areas for statistical purposes.

Area 1 - Northeast	Area 3 - East Central	Area 5 - South Central
Area 2 - Southeast	Area 4 - North Central	Area 6 - West

Areas: The United States is divided into six statistical Areas. The boundaries of Areas 4, 5 and 6 were modified in 1980, and all prior-year data has been amended accordingly.

Average Week: An average work week for statistical purposes consists of five working days, less holidays.

Basis Weight: The average weight of combined corrugated board per thousand square feet is derived by dividing containerboard consumption for corrugated board by corrugator production.

Containerboard: Paperboard components from which corrugated and solid fibreboard are manufactured.

Container Chip and Filler Board: Paperboard manufactured as a filler for solid fibre and paperboard for conversion into either single or multi-ply components for interior packing in corrugated or solid fibre boxes.

Corrugator: A corrugator plant makes corrugated board on one or more corrugating machines, and makes boxes from the board.

Corrugated Price Index: The Corrugated Price Index is developed by dividing the total dollars of sales of all corrugated products by the square footage of these products, based on member company data only. The price per M square feet of all corrugated products shipped by members is then converted to an index, 1982 = 100.

Corrugating Medium: Paperboard used as the fluted member of a corrugated product, usually .009 or .010 of an inch thick.

Corrugated Production: The actual total square footage produced on corrugators during the year. It differs from shipments in that production includes waste and trim before fabrication.

Filler Board: See Container Chip and Filler Board.

Industry: Any statistic termed "Industry," such as "Industry Shipments," is based upon information received from all manufacturers, both members and non-members of the Association.

Kraft Linerboard: Fiber furnish contains not less than eighty percent virgin sulfate woodpulp, produced by the kraft (sulfate) process.

Linerboard: Paperboard used as a facing on corrugated or solid fibre products.

Number of Plants: The data indicates the number of plants in each category which were in operation during all or any part of the year. This is not necessarily the number in operation at year-end.

Producer Price Index: The Bureau of Labor Statistics' Producer Price Index represents the wholesale prices of about 2,000 commodities, 1982 = 100.

Recycled Corrugating Material: Fiber furnish contains less than seventy-five percent virgin woodpulp.

Recycled Linerboard: Fiber furnish contains less than eighty percent virgin sulfate woodpulp.

Seasonally Adjusted Month: Actual shipments are seasonally adjusted using factors based on experience of the latest and preceding years.

Seasonal Adjustment: The adjustment factor is a composite of the seasonal factors and the regression trading day adjustment factors. The adjustment is continually revised; factors used in 1986 and 1987 are not identical to those used in 1988.

Semichemical Corrugating Material: Contains fiber furnish not less than seventy-five percent virgin woodpulp, produced by a semichemical process. Also includes kraft corrugating material in which the fiber furnish is not less than eighty percent virgin woodpulp that is produced by the kraft (sulfate) process.

Sheet Plant: A sheet plant buys corrugated board from a corrugator plant, and makes boxes from the board.

Weeks of Supply: Obtained by dividing inventories by the average weekly usage in fibre box plants during the prior month excluding any holidays.



Members of Fibre Box Association

Acorn Corrugated Box Company
Advance Packaging Corporation
AIM Corrugated Container Corporation
Akers Packaging Service, Inc.
Metro Containers, Inc.
Allegheny Container, Corporation
American River Packaging, Inc.
Armor Box Corporation
Arvco Container Corporation
Batavia Containers, Inc.
Bates Container, Inc.
Bates Corrugated Box Corporation
Beacon Container Corporation
Bell Packaging Corporation
Bicknell & Fuller Corr. Container Co.
Boise Cascade Corporation
Boxmakers, Inc.
Indiana Boxmakers, Inc.
Capital City Container Corporation
Carlisle Container Company
Castle Rock Container Corporation
Central Container Corporation
Chesapeake Corporation
Color-Box, Inc.
Displayco East
Displayco Midwest
Displayco West
Commander Packaging Corporation
Commander Packaging West, Inc.
Kankakee Container Company
Packaging Dimensions
Consolidated Packaging Corporation
Bennett Paper Corporation
Container Packaging, Inc.
Corrugated Container Corporation
Corrugated Paper Corporation
Corrugated Paper Products, Inc.
Corrugated Supplies Corporation
Delta Container Corporation
Design Packaging, Inc.
Drake Container Corporation
Dusobox Corporation
Eastern Container Corporation
Elgin Corrugated Box Company
Empire Container Corporation
H. Field & Sons, Inc.
Flint Boxmakers, Inc.
Delta Containers
Gaylord Container Corporation
Georgia-Pacific Corporation
Great Northern Nekoosa Corporation
J & J Corrugated Box Corporation
Nekoosa Packaging Corporation

Great Plains Packaging Company
Green Bay Packaging, Inc.
Ideal Box Company
Interstate Resources, Inc.
Jamestown Container Corporation
Great Lakes Container Corporation
Ontario Containers Division
Jefferson Smurfit Corporation
Container Corporation of America
Little Rock Container
Mohawk Container Division
Sharick Packaging
Valley Packaging
K & H Corrugated Case Corporation
K & H Containers, Inc.
Northeast Box & Packaging Corporation
Vermont Container Corporation
Kendal Container Corporation
Key Container Corporation
Keystone Container Corporation
Lawless Container Corporation
Lawrence Paper Company
Jayhawk Boxes, Inc.
Ozark Corrugated Box Company
Lemac Packaging, Inc.
Liberty Carton Company
Lone Star Container Corporation
Longview Fibre Company
Love Box Company, Inc.
Lewisburg Container Company
Loy-Lange Box Company
Heartland Box Company
MacMillan Bloedel Containers
Mack-Chicago Corporation
Mack-Coast Corporation
Mann Kraft Corporation
Massillon Container Company
Mount Eaton Packaging Company
Mead Containerboard Division
Menasha Corporation
Midland Container Corporation
Miller Container Corporation
Monarch Box & Paper Company
Nelson Container Corporation
Nivison-Weiskopf Company
Northeast Container Corporation
Northwest Packaging, Inc.
Packaging Corporation of America
Ar-Tech Packaging
Dura-Box Company
Packaging Company of CA
Pakon/Packaging of CA
Western Packaging, Inc.

Packaging Services, Inc.
Page Packaging Corporation
Pennsylvania Container Corporation
RDA Container Corporation
Republic Container Corporation
Richmond Corrugated Box Company
Wilmington Box Company
Rock-Tenn Company
Royal Continental Box Company
St. Joe Container Company
Schiffenhaus Industries, Inc.
Oneida Container
Schiffenhaus Packaging Corporation
Schroeder Companies
Halper Box Company, John
Iowa Corrugated Packaging
Nebraska Packaging, Inc.
Westwind Packaging, Inc.
Sebring Container Corporation
Shillington Box Company
Shipping Container Corporation
Stand-Fast Packaging Products, Inc.
Star Corrugated Box Company, Inc.
Stone Container Corporation
Accurate Corrugated Box
Cameo Container Corporation
L & M Corrugated Container
Sumter Packaging Corporation
Sunbelt Packaging Services, Inc.
Thacker Container Company
California Corrugated Industries
Thoroughbred Containers, Inc.
Trent Box Manufacturing Company, Inc.
Triad Packaging, Inc.
Durham Box Company, Inc.
Triad Packaging Inc. of TN
Union Camp Corporation
Visy Board Packaging, Inc.
(The Pratt Group)
Jet Corr., Inc.
Macon Kraft Laminates
Western Kraft Paper Group
Western Packaging Corporation
Weston Paper & Manufacturing Co.
Pioneer Container Corporation
Westvaco Corporation
Weyerhaeuser Paper Company
Tri-Wall Containers, Inc.
Wiregrass Container, Inc.
Wunderlich Fibre Box Company
York Container Company

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